



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark C. P.O. Box 1450 Alexandria. Virginia 22313-1450 www.uspip gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

EXAMINER 04/18/2008 7590 DAVIS, MINH TAM B KLARQUIST SPARKMAN, LLP ART UNIT ONE WORLD TRADE CENTER SUITE 1600 121 SW SALMON STREET

PAPER NUMBER 1642 DATE MAILED: 04/18/2008

FIRST NAMED INVENTOR

CONFIRMATION NO ATTORNEY DOCKET NO

5265 15280-3721US 09/763.393 07/30/2001 Ira Pastan FITLE OF INVENTION: PAGE-4, AN X-LINKED GAGE-LIKE GENE EXPRESSED IN NORMAL AND NEOPLASTIC PROSTATE, TESTIS AND

TOTAL FEE(S) DUE DATE DUE SMALL ENTITY PUBLICATION FEE DUE PREV. PAID ISSUE FEE ISSUE FEE DUE APPLN. TYPE 07/18/2008 \$1440 \$1440 nonprovisional NO

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

PORTLAND, OR 97204-2988

APPLICATION NO

JTERUS, AND USES THEREFOR

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

FILING DATE

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Page 1 of 3

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450 or Fax (571)-273-2885

INSTRUCTIONS: This is appropriate. All further condicated unless corrected maintenance fee notificati	form should be used for correspondence including d below or directed oth ons.	or transmitting the ISS ing the Patent, advance of herwise in Block 1, by (should be completed where t correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				s) Transmittal. This rs. Each additional its own certificate	nailing can only be used in scertificate cannot be used paper, such as an assignm of mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must
7590 04/18/2008 KLARQUIST SPARKMAN, LLP ONE WORLD TRADE CENTER SUITE 1600 121 SW SALMON STREET				Cont	ificate of Mailing or Tran	
PORTLAND, OR	2 97204-2988					(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	.	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/763,393	07/30/2001		Ira Pastan		15280-3721US	5265
TITLE OF INVENTION: UTERUS, AND USES TH		KED GAGE-LIKE GE	NE EXPRESSED IN NOR			
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE TOTAL FEE(S) DUI	E DATE DUE
nonprovisional	NO	\$1440	20	\$0	\$1440	07/18/2008
EXAMI	NER	ART UNIT	CLASS-SUBCLASS			
DAVIS, MIN	H TAM B	1642	530-350000			
Change of correspondence address or indication of "Fee Address (37 CFR 1.53). Change of correspondence address for Change of Correspondence Address form PTO/SBI 1/2) standards. (1) the names of up to 3 registered psient attorneys of proceedings of the process of the pro						
Please check the appropria			b. Payment of Fce(s): (Plea			roup entity Government
☐ Issue Fee ☐ A check is enclosed. ☐ Publication Fee (No small entity discount permitted) ☐ Payment by credit card. Form PTO-2038 is attached.						
Advance Order - #			The Director is hereby overpayment, to Depo	authorized to charg	the required fee(s), any d	eficiency, or credit any an extra copy of this form).
5. Change in Entity Statu	SMALL ENTITY statu	s. See 37 CFR 1.27.	☐ b. Applicant is no long	ger claiming SMAL	L ENTITY status. See 37 C	CFR 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requested of the United State	aired) will not be accepte tes Patent and Trademark	d from anyone other than to k Office.	ne applicant; a regis	tered attorney or agent; or I	he assignee or other party in
Authorized Signature						
Typed or printed name				Registration No		
This collection of informat an application. Confidentis submitting the completed this form and/or suggestion Box 1450, Alexandria, Vir Alexandria, Virginia 2231	tion is required by 37 C ality is governed by 35 application form to the ns for reducing this bur ginia 22313-1450. DO 3-1450.	FR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est y depending upon the indiv e Chief Information Office COMPLETED FORMS TO	ctain a benefit by the imated to take 12 m idual case. Any cor r, U.S. Patent and T THIS ADDRESS.	te public which is to file (ar sinutes to complete, includi nutes on the amount of t rademark Office, U.S. De SEND TO: Commissioner	nd by the USPTO to process) and gathering, preparing, and time you require to complete sartment of Commerce, P.O. for Patents, P.O. Box 1450,

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE OMB 0651-0033



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandra, Virginia 22313-1450

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMA		
09/763,393	07/30/2001	Ira Pastan	15280-3721US 5265		
7590 04/18/2008			EXAMINER		
	PARKMAN, LLP		DAVIS, MI	NH TAM B	
	ADE CENTER SUITE	1600	ART UNIT	PAPER NUMBER	
121 SW SALMON			1642		
PORTLAND, OR	97204-2988		DATE MAILED: 04/18/200	8	

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 499 day(s). Any patent to issue from the above-identified application will include an indication of the 499 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
Nation of Allowahility	09/763,393	PASTAN ET AL.			
Notice of Allowability	Examiner	Art Unit			
	MINH-TAM DAVIS	1642			
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowablet IV NoTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	will be mailed in due course. THIS			
1. This communication is responsive to amendment of 02/27/	<u>′08</u> .				
2. Mail The allowed claim(s) is/are 1.2.4.6-8 and 53-57.					
Acknowledgment is made of a claim for foreign priority us a) ⊠ All b) □ Some* c) □ None of the:					
Certified copies of the priority documents have					
2. Certified copies of the priority documents have	been received in Application No	notional stage application from the			
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:		the state of the same decrease.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Fallure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply IENT of this application.	complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached EXAMINER es reason(s) why the oath or declara	'S AMENDMENT or NOTICE OF tion is deficient			
5. X CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.				
(a) Including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached			
1) hereto or 2) to Paper No./Mail Date					
(b) including changes required by the attached Examiner Paper No./Mail Date					
identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in (the header according to 37 CFR 1.121(d).			
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL I FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the AL MATERIAL.			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application			
 Notice of References Cited (P10-692) Notice of Draftperson's Patent Drawing Review (PTO-948) 					
	Paper No./Mail Da	te <u>4/9/08</u> .			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 7/16/04 					
4. Examiner's Comment Regarding Requirement for Deposit	Examiner's Statement	ent of Reasons for Allowance			
of Biological Material	9. Other				
	/Larry R. Helms/ Supervisory Patent Exami	ner			

	Application No.	Applications				
Interview Summary	09/763,393	PASTAN ET AL.				
mior from Gammary	Examiner	Art Unit				
	MINH-TAM DAVIS	1642				
All participants (applicant, applicant's representative, PTO personnel):						
(1) MINH-TAM DAVIS.	(3)					
(2) <u>SUSAN SIEGEL</u> .	(4)					
Date of Interview: <u>09 April 2008</u> .						
Type: a)⊠ Telephonic b)□ Video Conference c)□ Personal [copy given to: 1)□ applicant 2)⊠ applicant's representative]						
Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No. If Yes, brief description:						
Claim(s) discussed:						
Identification of prior art discussed:						
Agreement with respect to the claims $\mathfrak{f})\boxtimes$ was reached. $\mathfrak{g})\square$ was not reached. $\mathfrak{h})\square$ N/A.						
Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: <u>Claims 1-2, 4, 6-8, 53-57 are allowable</u> .						
(A fuller description, if necessary, and a copy of the amend allowable, if available, must be attached. Also, where no callowable is available, a summary thereof must be attached.	copy of the amendments that v	reed would rend vould render the	er the claims claims			
THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAY'S FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.						
	•					
Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.	Examiner's signature, if requ	ired				

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Inte 3 COOP or Treatment regularizing CVFT) 3 1.1-31 interverse.

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting (so-crable action must be filed by the applicant. An interview does not ensure the recensity for trept to Officia action as specified in 55 1.111, 1.135. (36 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

38 Description of Trademark Office should be Iransacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office wile be based exclusively on the written record in the Office. No attention will be paid to any alteged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself

incomplete through the failure to record the substance of interviews. It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless

the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability. Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the

interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the Interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following Information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by
- attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the Interview.

- A complete and proper recordation of the substance of any interview should include at least the following applicable items:
- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed.
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
- (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Application/Control Number: 09/763,393
Art Unit: 1643

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes
and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37
CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than
the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with SUSAN SIEGEL on 04/09/08.

In the claims:

Claims 3, 5, 9-52, 58-60 have been cancelled.

Corrected drawings must be submitted for the following reasons:

The corrected drawings submitted on 03/15/06 to change the labeling of figures 5-6 in the drawings submitted on 09/02/04 to figures 4-5 are not accepted, because now there are two figures 4 in the drawings submitted on 09/02/04. Further, the original figure 4 in the drawings submitted on 09/02/04 does not correspond to the figure 4 legend in the specification. A submission of all the drawings with corrected figure labeling is suggested.

3. The following is an examiner's statement of reasons for allowance:

The art does not teach or suggest the polypeptide SEQ ID NO:1 or an 8-11, or 9-10 amino acid fragment thereof that binds to MHC I.

Application/Control Number: 09/763,393

Art Unit: 1643

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH-TAM DAVIS whose telephone number is 571-272-0830. The examiner can normally be reached on 9:00 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LARRY HELMS can be reached on 571-272-0832. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MINH-TAM DAVIS April 09, 2008 Application/Control Number: 09/763,393

Art Unit: 1643

/Larry R. Helms/

Supervisory Patent Examiner, Art Unit 1643

Page 4